

Date: Tuesday, 24/02/2009 1:27:15 PM
User: Julie Dawson

Process Sheet

Customer :	CU-DAR001 Dart Helicopters Services	Drawing Name :	BASKET BASE ASSEMBLY (350)
Job Number :	46062A		
Estimate Number :	10189		
P.O. Number :		Part Number :	D2221
This Issue :	24/02/2009	S.O. No. :	
Prsht Rev. :	NC	Drawing Number :	D2221 REV H
First Issue :	/ /	Project Number :	N/A
Previous Run :	45949C	Drawing Revision :	H
	Type :	Material :	
	LARGE FAB ASSY	Due Date :	03/03/2009
Written By :		Qty:	1
Checked & Approved By :	<u>JLD 09.02.24</u>	Um:	Each
Comment :	Est Rev:J 05.09.02 Added D3442-1 KJ/JLM Est Rev:K 08-08-29 revG as per dwg DD verified by:EC Est Rev:L 08-09-24 plug holes prior to powder coat DD verified by:EC Est Rev:M 08-12-02 revH as per dwg DD verified by:		

Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
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1.0	D22211	Rib
-----	--------	-----



Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Rib

batch: B 44864 → 1x

JLD 09/02/25

2.0	D22215	Rib
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Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Rib

batch: B 45807 → 2x

JLD 09/02/25

3.0	D22217	Rib
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Rib

batch: B 45781 → 1x

JLD 09/02/25

4.0	D22323	Basket Hinge
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Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Basket Hinge

batch: B 42075 → 2x

JLD 09/02/25

JLD 09/02/25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Tuesday, 24/02/2009 1:27:15 PM
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Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET BASE ASSEMBLY (350)

Job Number: 46062A

Part Number: D2221

Job Number:



Seq. #:	Machine Or Operation:	Description :
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5.0	D22351	Basket Rib
-----	--------	------------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Basket Rib

batch: B43985 → 2x

SL 09/02/25

6.0	D2581	Mounting Bracket
-----	-------	------------------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Mounting Bracket

batch: B43800 → 2x

SL 09/02/25

7.0	D34421	Shim
-----	--------	------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Shim

batch: B45226 → 2x

SL 09/02/25

8.0	D3825041	Rib Assembly (Basket End)
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Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Rib Assembly (Basket End)

batch: B45942 → 2x

SL 09/02/25

9.0	D3826041	Rib / Gusset Assembly
-----	----------	-----------------------



Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Rib / Gusset Assembly

batch: B45943 → 2x

SL 09/02/25

10.0	D3827041	Rib Assembly (Inboard)
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Comment: Qty.: 1.0000 Each(s)/Unit Total : 1.0000 Each(s)

Rib Assembly (Inboard)

batch: B45609 → 1x

SL 09/02/25

11.0	D38331	Mesh (Base End Face)
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Comment: Qty.: 2.0000 Each(s)/Unit Total : 2.0000 Each(s)

Mesh (Base End Face)

batch: B45896 → 2x

SL 09/02/26

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Tuesday, 24/02/2009 1:27:15 PM
User: Julie Dawson

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BASKET BASE ASSEMBLY (350)

Job Number: 46062A

Part Number: D2221

Job Number:



Seq. #:

Machine Or Operation:

Description :

12.0

D38321

Mesh (Base)



Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s)

Mesh (Base)

batch: B45610 → 1x

dy 09/02/25

13.0

LARGE FAB 1

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1- assemble all ribs and both D2581 in DT9444 jig, weld as per dwg D2221

2- remove basket from jig and weld D3442-1 shims and D2232-3 hinges as per dwg D2221

3- tack weld mesh on basket as per dwg D2221

A/R ER316 S.S. Rod Batch: M108715 dy

dy 09/02/26 (1x)

14.0

QC9

VISUAL WELDING INSPECTION



Comment: VISUAL WELDING INSPECTION

P609-02-27

15.0

QC6

DIMENSIONAL CHECK



Comment: DIMENSIONAL CHECK

S 09/02/27 (X)

16.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

M 109996

(1x)

1- Plug holes prior to powder coating

2-Powder Coat White Gloss (Ref: 4.3.5.1) as per QSI 005 4.3

1ST COAT:

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

***** 2nd coat if necessary *****

2ND COAT:

START TIME:

OVEN TEMPERATURE:

FINISH TIME:

11:20
400°F
11:50
12:40
400°F
1:10

M-H 09/02/28

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Job Number: 46062A

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Job Number:



Seq. #:

Machine Or Operation:

Description :

17.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

Fez 09/03/02 ①

18.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

09/03/04 *JA*

Job Completion



mf
09-03-03

Dart Aerospace Ltd

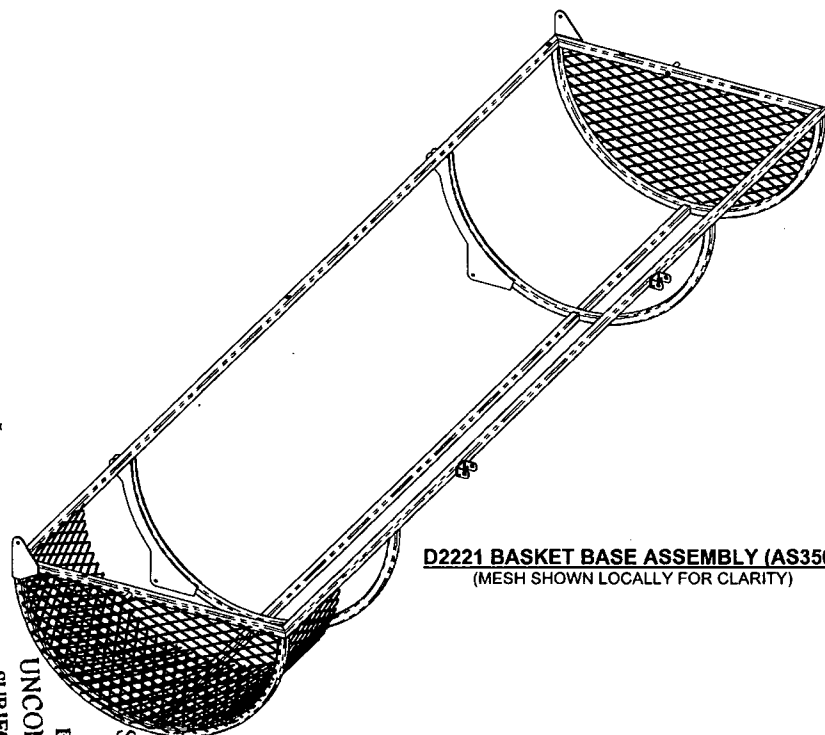
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



D2221 BASKET BASE ASSEMBLY (AS350)
(MESH SHOWN LOCALLY FOR CLARITY)



ITEM	QTY	P/N	DESCRIPTION
1	X	D2221	BASKET BASE ASSEMBLY (AS350)
2	1	D2221-1	RIB
3	2	D2221-5	RIB
4	1	D2221-7	RIB
5	2	D2232-3	BASKET HINGE
6	2	D2235-1	RIB
7	2	D2581	MOUNTING BRACKET
8	2	D3442-1	SHIM
9	2	D3825-041	RIB ASSY (BASKET END)
10	2	D3826-041	RIB/GUSSET ASSY
11	1	D3827-041	RIB ASSY (INBOARD)
12	2	D3833-1	MESH, BASE END FACE
13	1	D3832-1	MESH (BASE)

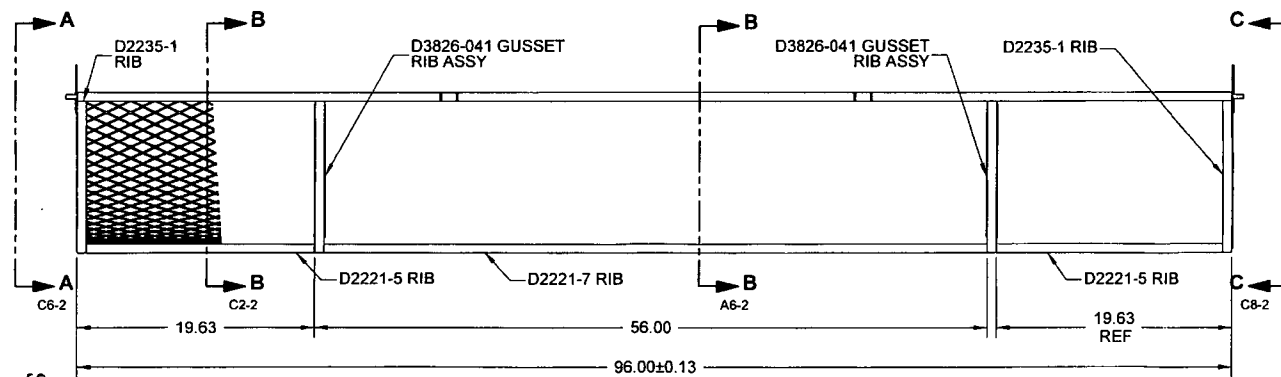
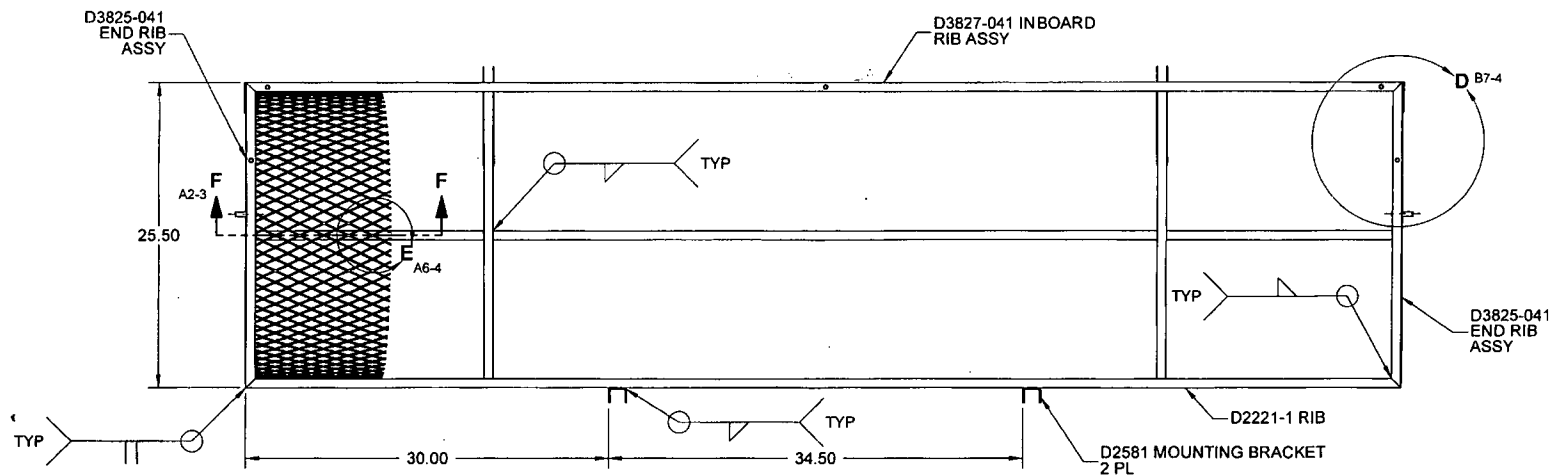
RECEIVED
08/11/18

H	REVISED PARTS LIST AND ADDED "ITEM" COLUMN TO PARTS LIST (ZN D3-1); REVISED SECTIONS A-A, B-B AND C-C (ZN C6-3, C2-3 AND A6-3); REVISED DETAIL D (ZN B7-4); ADDED DETAIL E (ZN A6-4); ADDED SECTION F-F (ZN B2-4); ADDED DWG DETAILS FOR D2221-1/-5/-7 (SHEET 5); TOL REVISED TO 2 DEC PLACES (ZN D8-3 AND ZN B4-3); D3825-041 REPLACES D2221-3/D2227-3; D3826-041 REPLACES D2235-1/D2325; D3827-041 REPLACES D2221-1 ON INBOARD SIDE; ADDED D3832-1 AND D3833-1. REASON: SATISFY "LEAN MANUFACTURING" PROGRAM.	MB	08.09.18
G	MATERIAL FOR -1, -3, -5 & -7 WAS 0.060 WALL; TOLERANCE FOR 96.00 DIM WAS +/-0.01 AND 56.00 DIM WAS REF (ZN B5-2); 19.62 DIM WAS "HARD" DIMENSION IS NOW "REF" (ZN B4-2); NOTE 5 TRANSFERRED FROM SHT 1 TO SHT 2; SHT 2 MESH MATERIAL UPDATED; DRAWING TRANSFERRED TO "B" FORMAT	AJS	08.06.16
F	ADD SHIM UNDER HINGE; ADD HOLES FOR SPLIT LID BASKET	PH	05.06.07
E	CHANGE HINGE	CP	01.04.19
D	CHANGE LATCH	BW	96.06.21
C	SEPARATE BASKET AND LID	KH	95.11.21
REV.	DESCRIPTION	BY	DATE
DESIGN	BW	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. H
MFG. APPR.		D2221	SHEET 1 OF 5
APPROVED		TITLE	SCALE
DE APPR.		BASKET BASE ASSEMBLY (350)	NTS
DATE	08.09.18	<small>COPYRIGHT © 1994 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: POWDER COAT GLOSS WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 8) WEIGHT: 42.00 lbs APPROX
- 9) MASK ALL HOLES PRIOR TO POWDER COATING



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WORK ORDER
NO. 1400027A

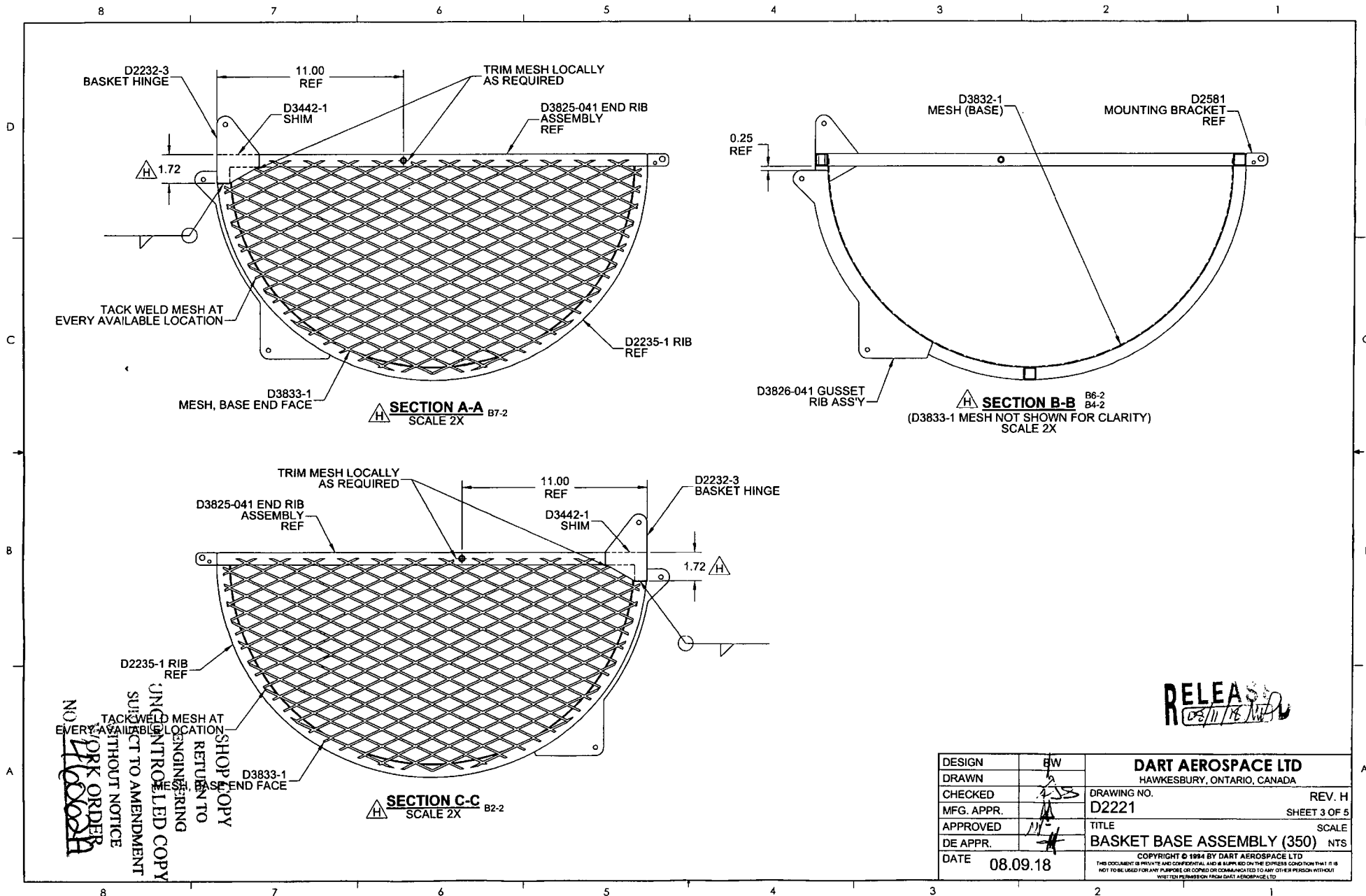


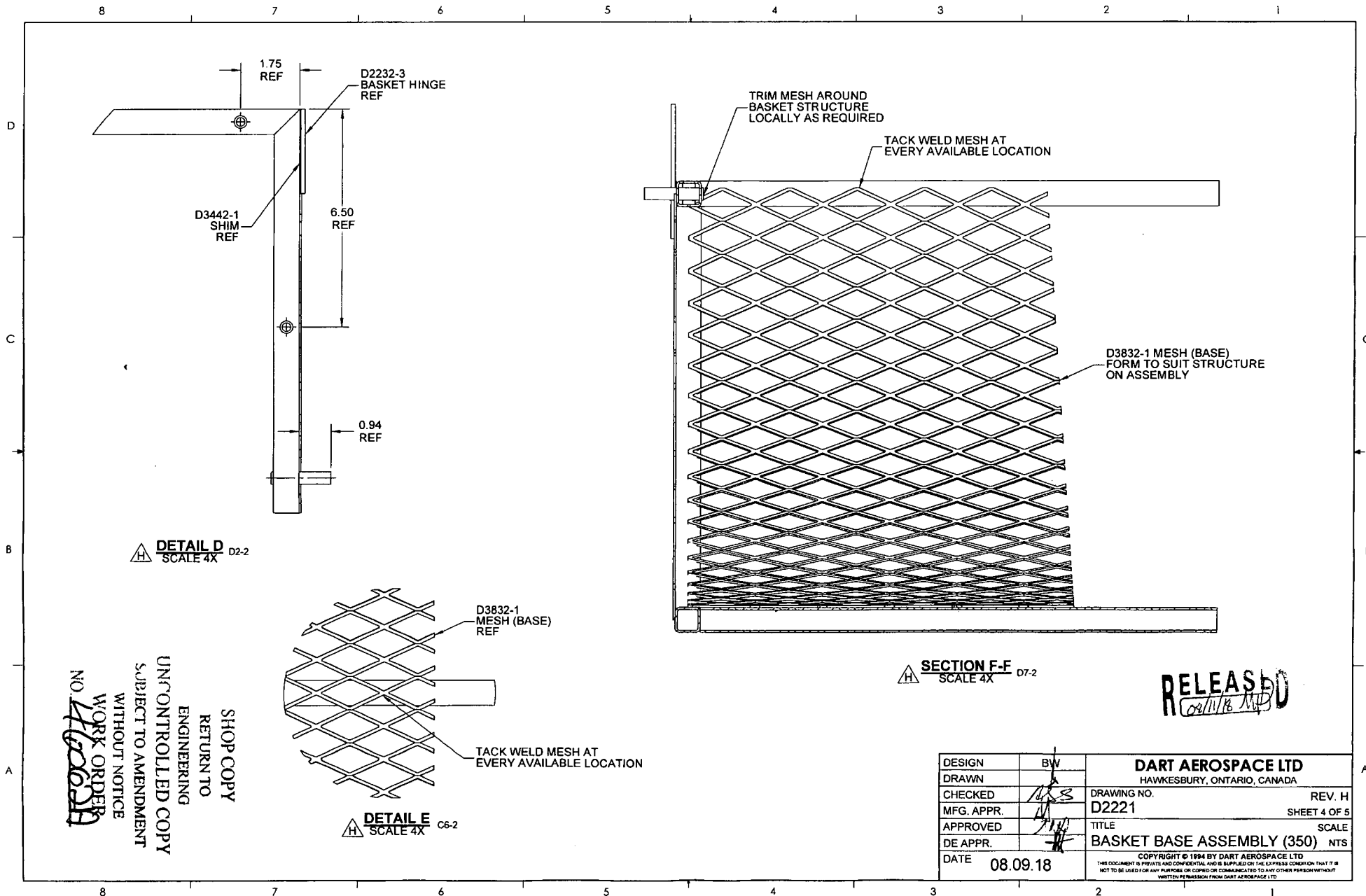
D2221 BASKET BASE ASSEMBLY (350)
(MESH SHOWN LOCALLY FOR CLARITY)

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06/11/18

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DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. H
MFG. APPR.		D2221	SHEET 2 OF 5
APPROVED		TITLE	SCALE
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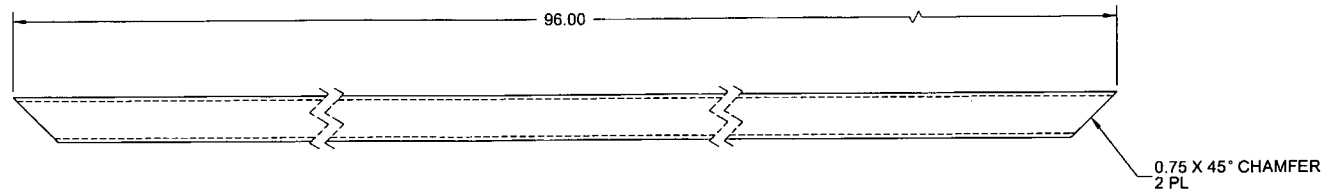
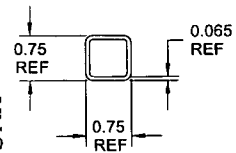
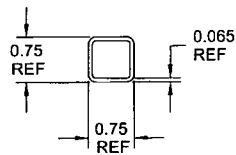


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WITHOUT NOTICE
WORK ORDER
NO. 47000019

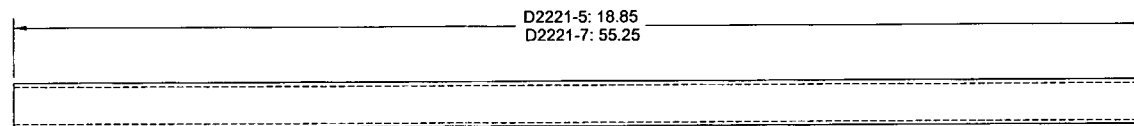
SECTION F-F
SCALE 4X D7-2

RELEASED
08/11/18

DESIGN	BW	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. H
MFG. APPR.	<i>[Signature]</i>	D2221	SHEET 4 OF 5
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	BASKET BASE ASSEMBLY (350) NTS	
DATE	08.09.18	COPYRIGHT © 1994 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



D2221-1 RIB



D2221-5/-7 RIB

NO. 1100025
WORK ORDER
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ENGINEERING
SHOP COPY

RELEASED
08/10/18

- NOTES:**
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBE, 0.75 X 0.75 X 0.065 WALL
REF. DART SPEC. M304TS0.750W0.065
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 8) WEIGHT: D2221 -1 = 4.57 lbs; D2221-5 = 0.90 lbs; D2221-7 2.65 = lbs

DESIGN	BW	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	MS	DRAWING NO.	REV. H
MFG. APPR.	MS	D2221	SHEET 5 OF 5
APPROVED	MS	TITLE	SCALE
DE APPR.	MS	BASKET BASE ASSEMBLY (350)	
DATE	08.09.18	NTS	
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